

Submit within 45 days of well completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised February 15, 2012							
		1. WELL API NO: 30-005-64157							
		2. Well Name: LEAR STATE COM #001							
		3. Well Number: 001							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:M Section:10 Township:14S Range:29E Feet from:355 N/S Line:S Feet from:355 E/W Line:W							
		5. Bottom Hole Location: Unit:M Lot:M Section:10 Township:14S Range:29E Feet from:355 N/S Line:S Feet from:355 E/W Line:W							
		6. latitude: longitude: 33.111301359308 - 104.023520358813							
		7. County: Chaves							
8. Operator Name and Address: MACK ENERGY CORP PO Box 960 11344 Lovington Hwy Artesia 88211		9. OGRID: 13837		10. Phone Number: 575-748-1288					
11. Last Fracture Date: 12/10/2012 Frac Performed by: Elite Well Services LLC		12. Production Type: O							
13. Pool Code(s): 97662		14. Gross Fractured Interval: 3,283 ft to 7,055 ft							
15. True Vertical Depth (TVD): 7,277 ft		16. Total Volume of Fluid Pumped: 46,355 bbls							
17. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:									
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)			
Water		Carrier Base Fluid			0%	0%			
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	7.06922%			
RCS (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	2.06024%			
Ammonium Persulfate	Chemplex, LC	Gel Breaker	Ammonium Persulfate	7727-54-0	98%	0.00743%			
Claymax	Chemplex, LC	Clay Stabilizer	Choline Chloride	67-48-1	62%	0.0612%			
Ferriplex 66	Chemplex, LC	Iron Control	Water	7732-18-2	38%	0.03751%			
			Acetic Acid	64-19-7	50%	0.00356%			
			Citric Acid	77-92-9	30%	0.00214%			
			Water	7732-18-5	35%	0.00249%			
Greenhib 679	Chemplex, LC	Scale Inhibitor	Glycerine	56-81-5	35%	0.04896%			
			Trade Secret	Trade Secret	35%	0.04896%			
			Water	7732-18-5	50%	0.06995%			
			Potassium Metaborate	107-21-1	9.99%	0.00952%			
Plexbor 101	Chemplex, LC	Crosslinker	Potassium Hydroxide	13709-94-9	30%	0.02859%			
			Water	7732-18-5	75%	0.07149%			
			Potassium Hydroxide	1310-58-3	5%	0.00477%			
			Water	7732-18-5	75%	0.07149%			
Plexbreaker 150	Chemplex, LC	Non-Emulsifier	Comamide Diethanolamine Salt	68603-42-9	30%	0.02317%			
			Diethanolamine	111-42-2	20%	0.01544%			
			Methyl Alcohol	67-56-1	50%	0.03861%			
			Trade Secret	Trade Secret	5%	0.00386%			
Plexcide 24B	Chemplex, LC	Biocide	Tetrahydro-3, 5-Dimethyl-2H-1,3,5-Thiadiazine-2-Thione	533-73-2	24%	0.00676%			
			Sodium Hydroxide	1310-73-2	12%	0.00338%			
			Water	7732-18-5	72%	0.02029%			
			Mannanase Enzymes	Trade Secret	2%	0.00145%			
Plexgel Breaker 10L	Chemplex, LC	Gel Breaker	Sodium Chloride	7647-14-5	15%	0.01086%			
			Water	7732-18-5	90%	0.06515%			
			Secondary Alcohol Ethoxylate	84133-50-6	60%	0.01562%			
Plexset 730	Chemplex, LC	Activator	Methyl Alcohol	67-56-1	50%	0.01302%			
			Hydrotreated Pretroleum Distillate	6472-47-8	30%	0.00172%			
			Polyacrylamide-co-acrylic acid	9003-06-9	32%	0.001884%			
Plexslick 921 E	Chemplex, LC	Friction Reducer	Water	7732-18-5	35%	0.00201%			
			Alcohol Ethoxylate Surfactants	Trade Secret	8%	0.00046%			
			Methyl Alcohol	67-56-1	20%	0.01531%			
			Alcohol Ethoxylate Surfactants	Trade Secret	20%	0.01531%			
Plexsurf 240 E	Chemplex LC	Surfactant	Water	7732-18-5	80%	0.06126%			
			15% Hydrochloric Acid	CNR	Acid	36% Hydrochloric Acid	7647-01-0	38%	0.14353%
			Water	7732-18-5	62%	0.23418%			
Plexgel 907 LE	PFP Technology	Polymer	Guar Gum	9000-30-0	50%	0.26659%			
			Mineral Oil	64742-47-8	55%	0.29325%			
			Bentonite Clay	14808-60-7	2%	0.01066%			
			Surfactant	68439-51-0	2%	0.01066%			
18. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.									
Signature: Signed Electronically Printed Name: Deana Weaver Title: Production Clerk									
Date: 12/17/2012									
E-mail Address: deanap@mackenergycorp.com									

NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.